

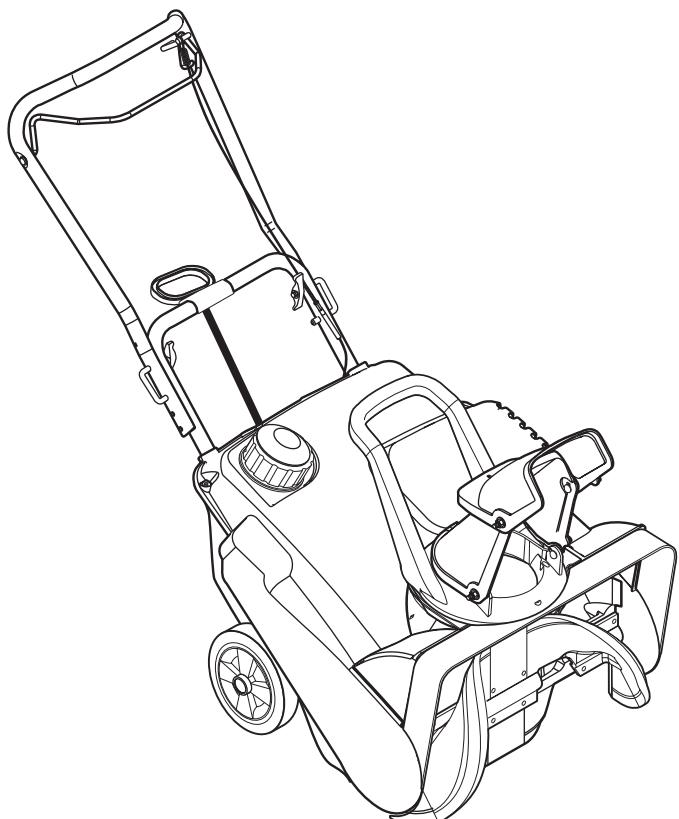


# Sno-Thro.<sup>®</sup>

## Parts Manual

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Models  
938015 - 322  
938016 - 522  
938305 - 522



## THE MANUAL

Before you operate your unit, carefully and completely read manuals supplied with the unit. The contents will provide you with an understanding of safety instructions and controls during normal operation and maintenance.

For your safety and the safety of others always read, understand, and follow all **DANGER**, **WARNING**, and **CAUTION** messages found in manuals and on safety decals.

## SERVICE AND REPLACEMENT PARTS

When ordering replacement parts or making service inquiries, know the Model and Serial numbers of your unit and engine.

Numbers are located on the product registration card in the unit literature package. They are printed on a serial number label, located on the frame of your unit.

- Record Unit Model and Serial numbers here:

- Record Engine Model and Serial numbers here:

## UNAUTHORIZED REPLACEMENT PARTS

Use only Ariens replacement parts. The replacement of any part on this vehicle with anything other than an Ariens authorized replacement part may adversely affect the performance, durability or safety of this unit and may void the warranty. Ariens disclaims liability for any claims or damages, whether warranty, property damage, personal injury or death arising out of the use of unauthorized replacement parts.

## To SPEED PARTS ORDERING:

1. Know the model and serial number of unit.
2. Know the part number required.
3. Know the quantity required.
4. Know the part description.

## PRODUCT REGISTRATION

A warranty registration card must be filled out, signed, and returned at time of purchase. This card activates the warranty. Claims meeting requirements during limited warranty period will be honored.

## YOUR SATISFACTION IS IMPORTANT

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Questions? Please follow these helpful steps:

### 1. Always Refer to Your Owner/Operator or Engine Manual First.

- a) Its detail will guide you through safe and proper operation and maintenance.
- b) It contains specifications on your unit.
- c) If your questions are not answered in these manuals, go to step number two.

### 2. Contact Your Ariens Dealer.

- a) Our dealers will be happy to supply any service or advice required to keep your unit operating at peak efficiency.
- b) A factory trained staff is available to support your equipment needs. They stock genuine Ariens parts and lubricants manufactured with the same precision and skill as the original.
- c) If your questions are not resolved by the support staff, ask for the manager or owner.
- d) When contacting your Ariens Dealer, supply your model and serial numbers.

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### MODELS

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#### **938015 (SS322)**

3 HP 22" Single Stage Sno-Thro  
Serial No. 000101 and up

#### **938016 (SS522E)**

5 HP 22" Single Stage Electric Start Sno-Thro  
Serial No. 000101 and up

#### **938305 (SS522)**

5 HP 22" Single Stage Sno-Thro  
Serial No. 000401 and up

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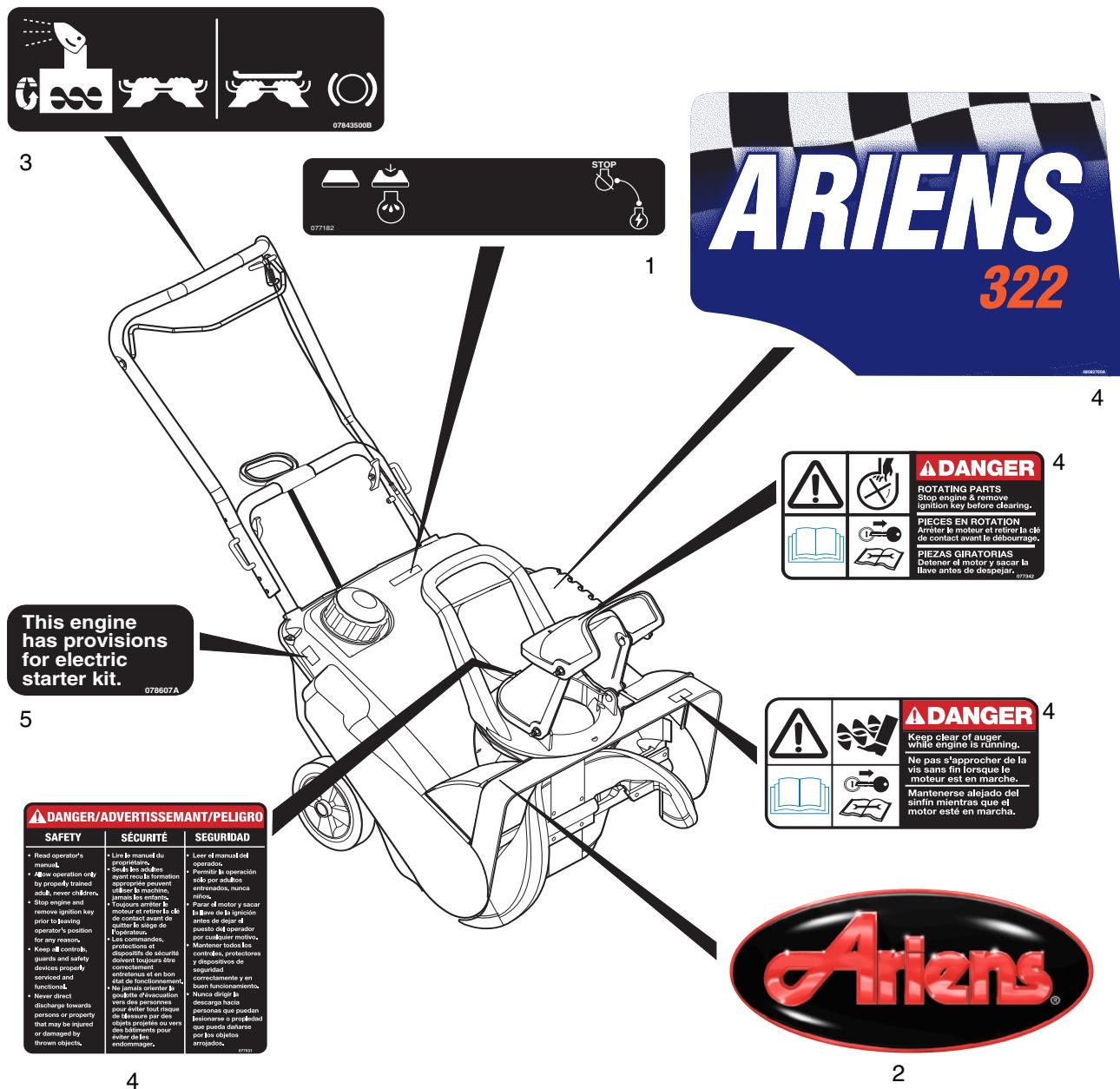
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Hardware descriptions are given in decimals.

Decimals to Fractions			
.063	1/16	.563	9/16
.125	1/8	.625	5/8
.188	3/16	.688	11/16
.250	1/4	.750	3/4
.313	5/16	.813	13/16
.375	3/8	.875	7/8
.438	7/16	.938	15/16
.500	1/2	1.00	1

# DECALS

Models 015,016,305



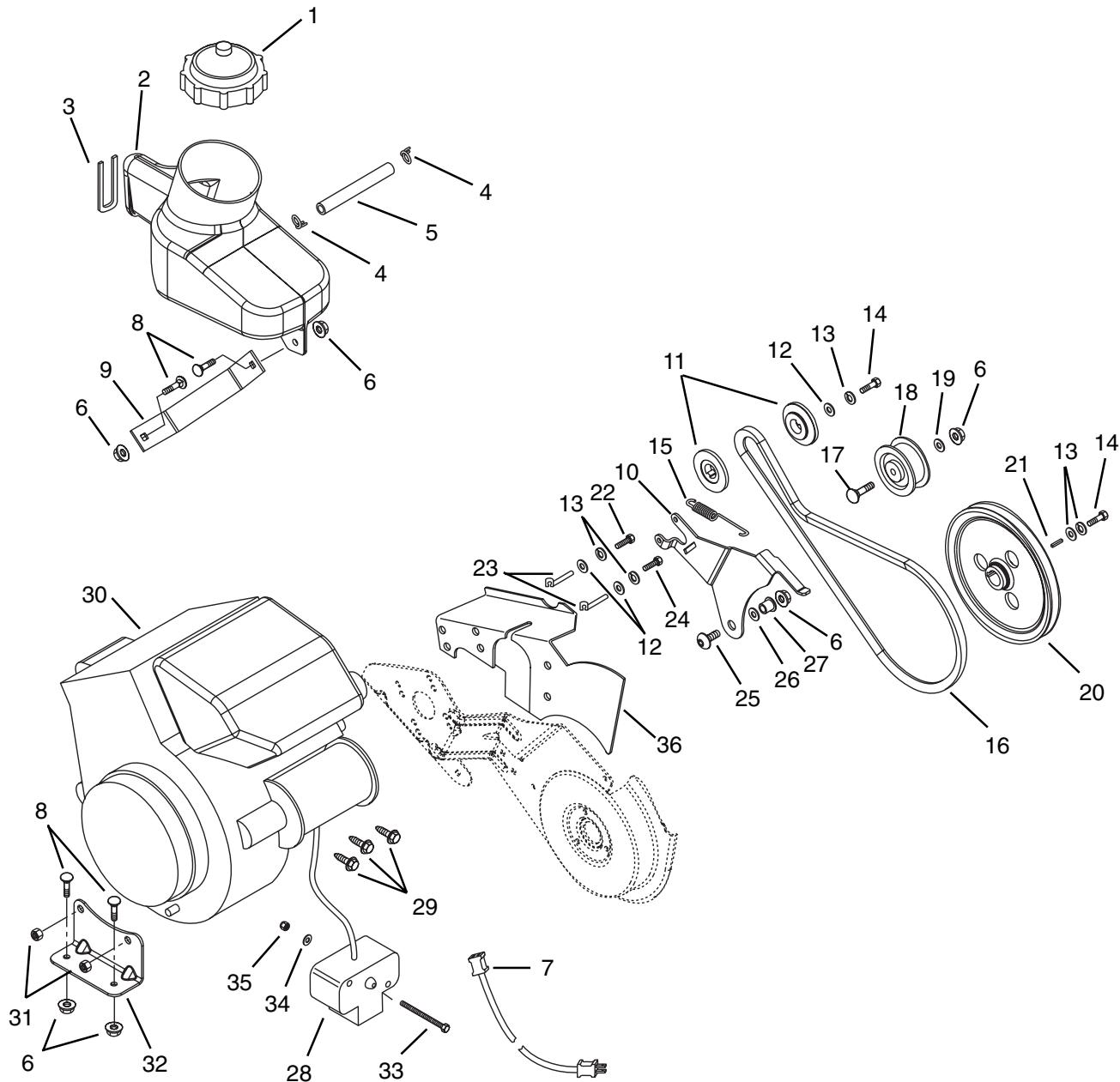
# **DECALS**

**Models 015,016,305**

Item No.	Part No.	Qty.	Description
1	07718200	1	Decal-Panel
2	07746400	1	Decal - Ariens
3	07843500	1	Decal - Auger Bail
4	63803000	1	Decal Set - SS322 (015)
	63803100	1	Decal Set - SS522E (016)
	63803200	1	Decal Set - SS522 (305)
5	07860700	1	Decal - Electric Start (015,305)

# ENGINE AND DRIVE

Models 015,016,305



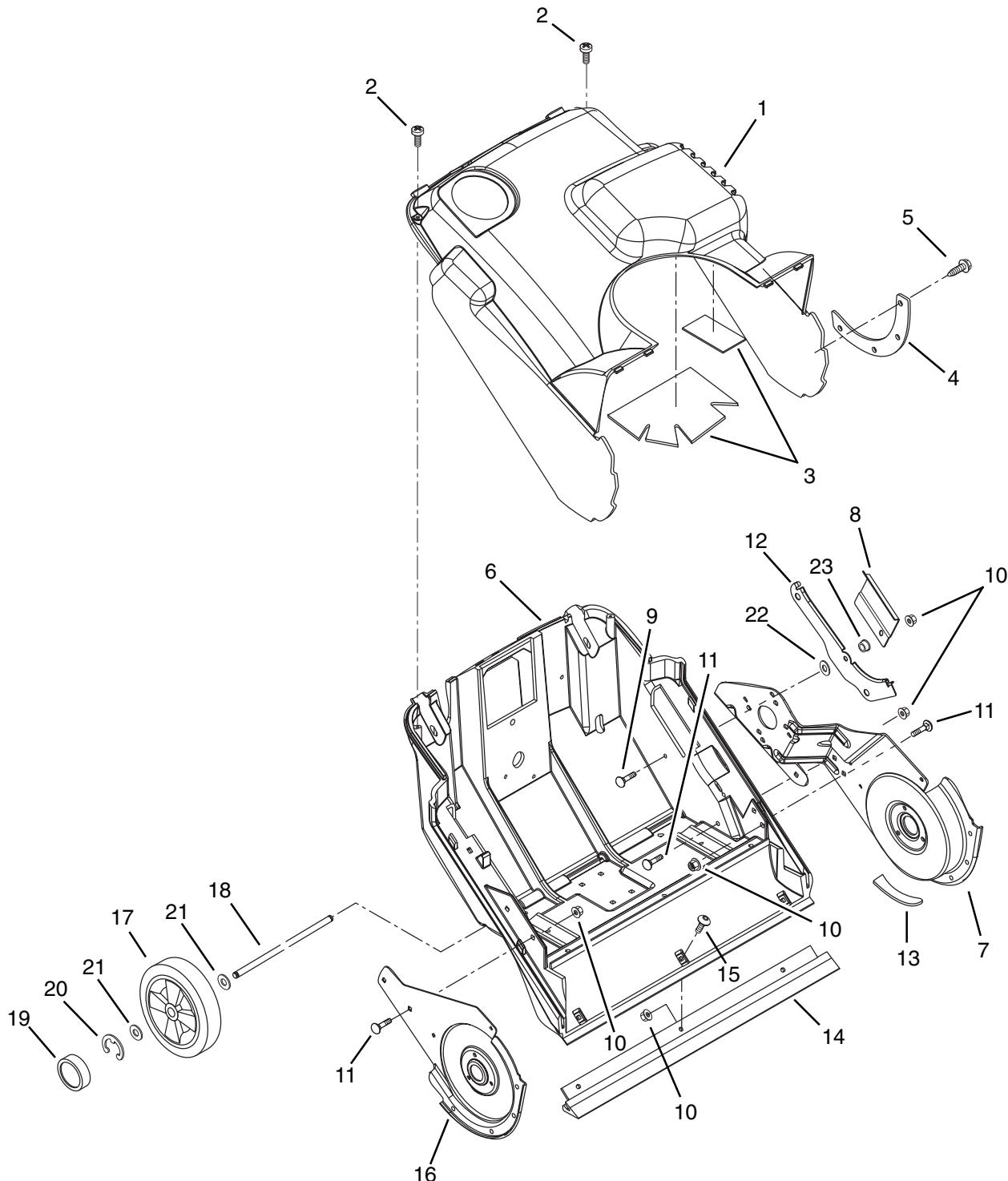
# ENGINE AND DRIVE

**Models 015,016,305**

Item No.	Part No.	Qty.	Description
1	07525300	1	Cap-Fuel
2	03811600	1	Tank-Fuel
3	03807800	1	Tape-Foam, Neoprene 6.0"
4	02917200	2	Hose Clamp
5	03328000	1	Gas Line 1/4" ID x 11.0 (015)
	03807900	1	Gas Line 1/4" I.D. x 9.5 (016,305)
6	06527600	6	Nut-Locking-Center-Flange .25-20
7	07524800	1	Extension Cord Tec #1A174-17 (016)
8	06219900	4	Bolt-Round Head Square Neck .25-20 x .75
9	03802600	1	Bracket-Fuel Tank Mounting
10	03810800	1	Idler Arm
11	03801100	2	Pulley-Drive 3L x 1.52 Diameter (015)
	03801200	2	Pulley-Drive 3L x 1.80 Diameter (016,305)
12	06435700	4	Washer-Flat-Steel .38 x .875 x .083 (015)
	06435700	3	Washer-Flat-Steel .38 x .875 x .083 (016,305)
13	06308600	6	Washer-Locking .31 x .078
14	05947300	2	Bolt-Hex .31-24 x .75
15	08334000	1	Spring, Extension
16	07236400	1	V-Belt 3L-Section 32.04 x .38 (015)
	07236300	1	V-Belt 3L-Section 32.53 x .38 (016,305)
17	06219700	1	Bolt-Round Head Square Neck .25-20 x 1.25
18	07321900	1	Idler-Flat 1.75 x .27
19	06426600	1	Washer-Flat-Steel .281 x 1.000 x .063
20	07325900	1	Pulley-V, Impeller Shaft 5.50 x .671 w/Key
21	06606100	1	Key-Square .188 x .75 x .188
22	05947000	2	Bolt-Hex .31-18 x .75 Grade 5 (015)
	05947000	3	Bolt-Hex .31-18 x .75 (016,305)
23	03805500	2	Finger-Belt (015)
	03805500	1	Finger-Belt (016,305)
24	05946900	2	Bolt-Hex .31-18 x 1.00 Grade 5 (015)
	05946900	1	Bolt-Hex .31-18 x 1.00 (016,305)
25	06114400	1	Screw-Machine .25-20 x .75
26	06436000	2	Washer-Flat-Steel .505 x .875 x .024
27	05513400	1	Bushing-Flange .265 x .437 x .250 x .750
28	03803500	1	Motor-Starting Tec #1A173-111 (016)
29	07029500	3	Screw-Hex Flange Washer-Head-TX-Sems .25-20 x .49 (016)
30	08249000	1	Engine-HSK 3 HP 2 Cycle (015)
	08249100	1	Engine-HSK850 5 HP 2 Cycle (016,305)
31	06529800	2	Nut-Locking-Center .31-18
32	03801600	1	Bracket, Engine Mounting
33	06116600	2	Screw-Machine 8-32 x 2.75 Hex Washer Head (016)
34	06442700	2	Washer-Flat-Steel .219 x .50 x .049 (016)
35	06531300	2	Nut-Locking 8-32 (016)
36	03810700	1	Baffle

# CHASSIS, COWL, WHEELS, SUPPORTS

Models 015,016,305



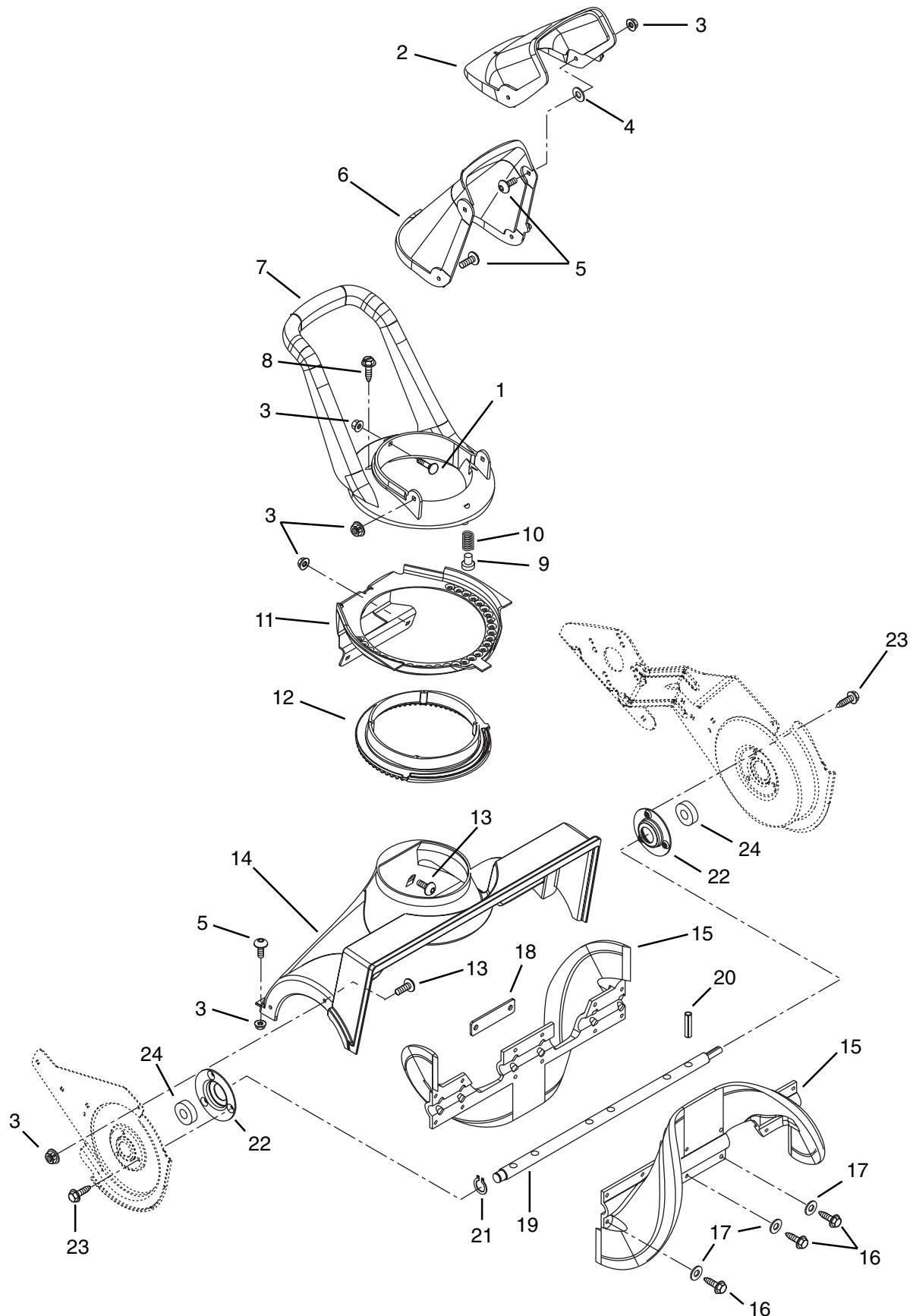
# CHASSIS, COWL, WHEELS, SUPPORTS

Models 015,016,305

Item No.	Part No.	Qty.	Description
1	53801800	1	Cowl-Assembly
2	07412300	2	Screw-Special-Tapping #10 x 1.0 w/#12 Head
3	03805200	1	Sheet-Heat Reflective 3 x 5 (015)
	03805000	1	Sheet-Heat Reflective (016,305)
4	03810400	2	Plate-Cowl Retainer
5	07413300	8	Screw-Tapping 12-24 x .50
6	03810500	1	Chassis
7	03807100	1	Support-Bearing, Left Hand
8	03808900	1	Deflector-Exhaust (015)
9	06219700	1	Bolt-Round Head Square Neck .25-20 x 1.25 Grade 5
10	06527600	9	Nut-Locking-Center-Flange .250-20
11	06219900	5	Bolt-Round Head Square Neck .25-20 x .75 Grade 5
12	03811400	1	Guide-Cable
13	03808300	1	Tape-Adhesive Backed Foam 1.75
14	03810600	1	Blade-Scraper
15	06114400	3	Screw-Machine .25-20 x .75
16	03807200	1	Support-Bearing, Right Hand
17	07139400	2	Tire/Wheel Assembly 7.0 x 1.5
18	03802300	1	Axle
19	03802400	2	Cap-Hub
20	05710600	2	Ring-Retaining-External .375 x .035 Type E
21	06436200	4	Washer-Flat-Steel .406 x .812 x .065
22	06435800	1	Washer-Flat-Steel .312 x .734 x .065
23	05513400	1	Bushing-Flange .265 x .437 x .250 x .750

# AUGER AND DISCHARGE CHUTE

Models 015,016,305



PS0063

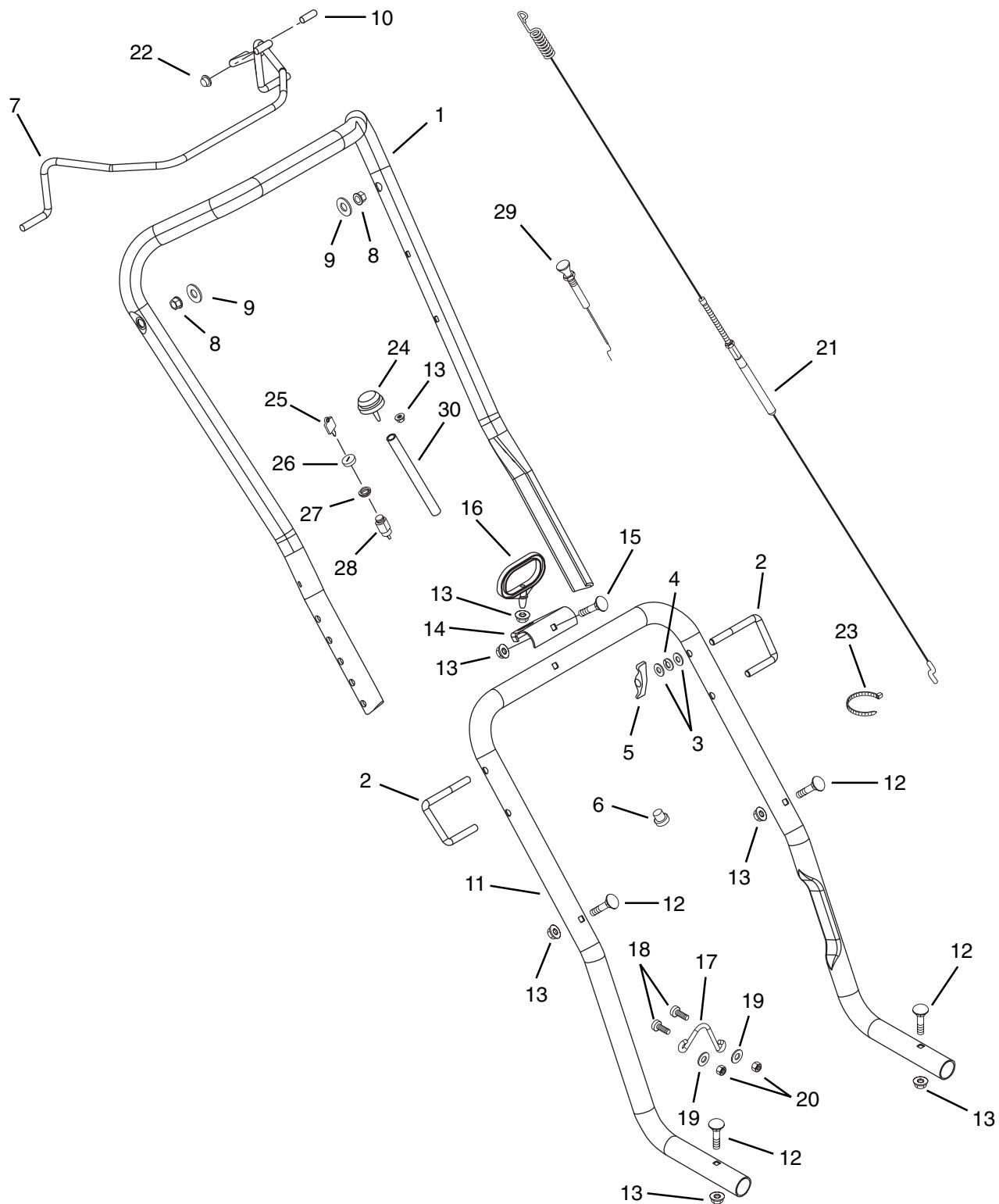
# AUGER AND DISCHARGE CHUTE

Models 015,016,305

Item No.	Part No.	Qty.	Description
1	06219900	1	Bolt-Round Head Square Neck .25-20 x .75 Grade 5
2	53800400	1	Deflector-Discharge Chute Assembly
3	06527600	13	Nut-Locking-Center-Flange .250-20
4	06437800	2	Washer-Flat-Rubber .31 x 1.25 x .06
5	06114400	7	Screw-Machine .25-20 x .75
6	53801700	1	Chute-Discharge
7	03801800	1	Handle
8	07409500	4	Screw-Tapping 8-18 x 1.50
9	06816700	1	Rivet .25 x 1.125 Truss Head
10	08329800	1	Spring-Compression .045 x .360 x 2.75
11	03801700	1	Bracket-Discharge Chute Rotation
12	03804000	1	Gear-Discharge Chute Segment
13	06114300	5	Screw-Machine .25-20 x .50
14	53800300	1	Housing-Auger Assembly
15	03807000	2	Auger Half
16	07412400	12	Screw-Tapping .25-20 x 1.00
17	06426600	12	Washer-Flat-Steel .281 x 1.00 x .063
18	03803000	6	Plate, Bolt, Self-Tapping
19	03806900	1	Shaft-Auger
20	05809200	6	Pin-Roll .250 x 1.75
21	05706100	1	Ring-Retaining-External .672 x .035
22	03800800	2	Cup-Bearing
23	07412000	6	Screw-Tapping .25 x .50 Hex Washer Head
24	05418800	2	Bearing Ball .699 x 1.575 x .47

# HANDLEBARS AND CONTROLS

Models 015,016,305



## HANDLEBARS AND CONTROLS

Models 015,016,305

Item No.	Part No.	Qty.	Description
1	03804451	1	Handle Bar-Upper
2	03802700	2	J Bolt .31-18
3	06435700	4	Washer-Flat-Steel .38 x .875 x .083
4	06308600	2	Washer-Locking .31 x .078
5	07531700	2	Knob, Wing .312-18
6	07527800	1	Plug-Hole .50 Diameter
7	03809051	1	Bail, SS LF
8	05514500	2	Bushing-Flange .325 x .444 x .440 x .560
9	06437200	2	Washer-Flat-Steel .344 x .688 x .065
10	07517000	1	Cap
11	03802151	1	Handle Bar-Lower
12	06220000	4	Bolt-Round Head Square Neck .25-20 x 1.75
13	06527600	6	Nut-Locking-Center-Flange .250-20
14	03802900	1	Bracket-Starter-Handle
15	06206000	1	Bolt-Round Head Square Neck .25-20 x 1.50
16	01157100	1	Recoil Start Handle
17	03803800	1	Guide-Rope
18	06116900	2	Screw-Machine 10-24 x .75
19	06442700	2	Washer-Flat-Steel .219 x .50 x .049
20	06536000	2	Nut-Locking Nylon W/Insert 10-24
21	06943300	1	Cable-Clutch Control
22	02215300	1	Nut, Push .25
23	07517300	2	Cable Tie
24	07518200	1	Primer Assembly
25	02460700	1	Key-w/Cap
26	07517700	1	Cap-Ignition Switch
27	06517300	1	Nut-Panel .625-32
28	02456500	1	Key Switch Assembly
29	06929000	1	Control-Choke (015)
	06937300	1	Control-Choke 5 HP (016,305)
30	03803300	1	Line-Primer



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